

- 32 -

Sequence Listing

- Sub
A1*
- (1) Name of Applicant: MEIJI MILK PRODUCTS CO., LTD.
 - (2) Title of the Invention: Peptide-based immunotherapeutic agent
 - (3) Reference Number: M1-808PCT
 - (4) Application Number:
 - (5) Filing Date:
 - (6) Country where the priority application was filed and the application number of the application: Japan, No. Hei 8-302053
 - (7) Priority date: November 13, 1996
 - (8) Number of Sequence: 24

SEQ ID NO: 1:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 1

QNRMKLADCAVGFGS

1 5 10 15

SEQ ID NO: 2:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2

Sequence Listing

MOLECULE TYPE: peptide

[illegible]

- 34 -

SEQUENCE DESCRIPTION: SEQ ID NO: 5

HPQDGDALTLRTATN

1 5 10 15

SEQ ID NO: 6:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 6

DALTLRTATNIWIDH

1 5 10 15

SEQ ID NO: 7:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 7

LFFNHHKVMLLGHDD

1 5 10 15

SEQ ID NO: 8:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

SECRETED

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 8

KSMKVTVAFNQFGPN

1 5 10 15

SEQ ID NO: 9:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 9

YAIGGSSNPTILSEG

1 5 10 15

SEQ ID NO: 10:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 10

AFNVENGNATPQLTK

1 5 10 15

SEQ ID NO: 11:

SEQUENCE LENGTH: 11

SEQUENCE TYPE: amino acid

SECRETED

- 36 -

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 11

TPQLTKNAGVL

1 5 10

SEQ ID NO: 12:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 12

GKHDCTEAFSTAWQA

1 5 10 15

SEQ ID NO: 13:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 13

SAMPLVPGSKKFVVN

1 5 10 15

SEQ ID NO: 14:

SEQUENCE LENGTH: 15

GKHDCTEAFSTAWQA

SEQ ID NO: 17:

- 38 -

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 17

GIDIFASKNFHLQKN

1 5 10 15

SEQ ID NO: 18:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 18

ASKNFHLQKNTIGTG

1 5 10 15

SEQ ID NO: 19:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 19

SRAEVSYPVHVNGAKF

1 5 10 15

GIDIFASKNFHLQKN

- 39 -

SEQ ID NO: 20:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 20

ATAAAIQLKCSDSMP

1 5 10 15

SEQ ID NO: 21:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 21

IQLKCSDSMPCKDIK

1 5 10 15

SEQ ID NO: 22:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 22

CKDIKLSDISLKLTS

1 5 10 15

66307203060

- 40 -

SEQ ID NO: 23:

SEQUENCE LENGTH: 15

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 23

LSDISLKLTSKIAS

1 5 10 15

SEQ ID NO: 24:

SEQUENCE LENGTH: 9

SEQUENCE TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 24

KVTVAFNQF

1 5

SECRETED